## PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of GUILLAUME, et al. Examiner:

Not Yet Known

Art Unit:

Not Yet Known

Application No.: 10/823,142

Title:

Filed: April 13, 2004

METHOD FOR OBTAINING

MASTOCYTE LINES FROM PIG TISSUES AND FOR PRODUCING

HEPARIN-TYPE MOLECULES

I hereby cer deposited wit Class Mail in for (Patents, i fy that this correspondence is being the United States Postal Service as First an envelope addressed to Commissioner
D. Box 1450, Alexandria, VA 22313-

April 2004

## INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. 1.56, 1.97 AND 1.98

Mail Stop Patent Application Commissioner for Patents P. O. Box 1450 Alexandria, VA 22313-1450

Applicants submit herewith patents, publications, and other information of which they are aware, which they believe may be material, as defined in 37 C.F.R. 1.56(b), to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 C.F.R. 1.56(a). While the information referred to in this Information Disclosure Statement may be material pursuant to 37 C.F.R. 1.56(b), the filing of this Information Disclosure Statement is not intended to, pursuant to 37 C.F.R. 1.97(h), constitute an admission that any patent, publication or other information referred to is, or is considered to be, material to the patentability of this invention. Pursuant to 37 C.F.R. 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information exists.

 $\boxtimes$ This Information Disclosure Statement is filed within the period set forth in §1.97(b) because it accompanies the new patent application submitted herewith, is filed within three months of the filing date of a national application or within three months of the date of entry of the national stage as set forth in §1.491 in an international application, or is believed to be filed before the mailing date of a first Office Action on the merits, whichever event occurs last. However, in the event that the first office action has been mailed, the Commissioner is authorized to charge any fees under 37 C.F.R. 1.17(p) or credit any overpayment to Account No. 18-1982.

**PATENT** 

(b)	This	Information Disclosure Statement is filed after the period set forth in 37 C.F.R.		
	1.97	1.97(b), but is believed to be filed before the mailing date of a final action under §1.113		
	or a	notice of allowance under §1.311, whichever occurs first.		
	(1)	The undersigned attorney certifies that each item of information contained in this		
		Information Disclosure Statement was cited in a communication from a foreign		
		patent office in a counterpart foreign application not more than three months prior		
		to the filing of this statement;		
	(2)	The undersigned attorney certifies that no item of information contained in this		
		Information Disclosure Statement was cited in a communication from a foreign		
		patent office in a counterpart foreign application or, to the knowledge of the		
		undersigned attorney after making reasonable inquiry, was known to any		
		individual designated in §1.56(c) more than three months prior to the filing of this		
		statement; or		
	(3)	This Information Disclosure Statement is accompanied by a transmittal letter in		
		which payment of the fee set forth in §1.17(p) and required by 37 C.F.R. 1.97(c) is		
		authorized.		

Respectfully submitted,

Joel B. German, Reg. No. 48,676 Anorney/Agent for Applicant

Aventis Pharmaceuticals Inc.
Patent Department
Route #202-206 / P.O. Box 6800
Bridgewater, NJ 08807-0800
Telephone (908) 231-3444
Telefax (908) 231-2626

Aventis Docket No. FRAV2003/0009 US NP

OIPE COR	
TRAPE a plus sign (+) inside this box →	PTO/SB/08A (10-96) Approved for use through 10/31/99. OMB 0651-0031 Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE cond to a collection of information unless it contains a valid OMB control number.

s	Substitute f	for form 1449A/F	PTO		Complete if Known			
_					Application Number	10/823,142		
l	NFO	RMATIO	N DI	SCLOSURE	Filing Date	04-13-2004		
	STAT	<b>EMENT</b>	BY A	APPLICANT	First Named Inventor	GUILLAUME, et al.		
					Group Art Unit	Not Yet Known		
	(u	ise as many s	theets a	s necessary)	Examiner Name	Not Yet Known		
Sh	neet	1	of	2	Attomey Docket Number	FRAV2003/0009 - US - NP		

				U.S. PATENT DOC	JMENTS	
Examiner Initials*	Cite No.1	U.S. Pater Number	nt Document  Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
						<u>.</u>
						······································
		•				
				•		

				FOR	EIGN PATENT DOCUMEN	TS .		
Examiner Initials	Cite No.1	Office	Foreign Patent Do  Number <sup>4</sup>	Cument Kind Code <sup>5</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		wo	03/035853		FEMENIA, et al.	05-01-2003		
		wo	90/14418		ESKO, et al.	11-29-1990		
		wo	99/26983		LASSILA, et al.	06-03-1999		L
		wo	03/035886		GUILLAUME	05-01-2003		+
								ļ
		-						$\pm$

		_
Examiner	Date	
Signature	. Considered	

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

A L scient	
A002 11	<b>め</b>
KPR 3 0 2004	<i>3</i> 0 ≥ 1
Plee	Q: / Stype a plus sign (+) inside this box →
CAT & TRAU	the Pananumic Peduction Act of 1995 on per

Sheet

Substitute for form 1449B/PTO

2

INFORMATION DISCLOSURE

STATEMENT BY APPLICANT

(use as many sheets as necessary)

PTO/SB/08B (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE sons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known

Application Number 10/823,142

Filing Date 04-13-2004

First Named Inventor GUILLAUME, et al.

Group Art Unit Not Yet Known

Examiner Name Not Yet Known

Attorney Docket Number FRAV2003/0009 - US - NP

	OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS  Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the					
xaminer nitials	Cite No.1	include name of the author (in CAPTAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Τ;			
		ASHRAF, Mohammad et al., Characterization of Isolated Porcine Intestinal Mucosal Mast Cells Following Infection with Ascaris suum, Veterinary Parasitology, (1988), Vol. 29, pp. 143 - 158				
		BEAN-KNUDSEN, D. E. et al., Porcine Mast Cell Leukemia with Systemic Mastocytosis, Vet. Pathol., (1989), Vol. 26, pp. 90 - 92				
	-	BISCHOFF Stephan C. et al., Functional Properties of Human Intestinal Mast Cells Cultured in a New Culture System: Enhancement of IgE Receptor-Dependent Mediator Release and Response to Stem Cell Factor, The Journal of Immunology, (1997), Vol. 159, pp. 5560 - 5567				
		EMERY, David W. et al., Culture and Characterization of Hematopoietic Progenitor Cells from Miniature Swine, Experimental Hematology, (1996), Vol. 24, pp. 927 - 935				
		ISHIZAKA, Teruko et al., Development of Human Mast Cells from Their Progenitors, Current Opinion in Immunology, (1993), Vol. 5, pp. 937 - 943				
		MIGAKI G. et al., Mastocytoma in a Pig, Path. Vet., (1970), Vol. 7, pp. 353 - 355				
`						
7						

Examiner Date Considered				 
[ O ]	Examiner	er	Date	
Signature	Signature	e	Considered	

+

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.